typent Low Hemioca 8-2451 Beaven Utal

Beaver, Utah October 13, 1961

Mr. Donald C. Norseth, Distribution Engineer Office of Utah State Engineer State Capitol Re: B Salt Lake City. Utah

Re: BEAVER RIVER Hi-Low Corporation Cert. of App. #5446

Dear Mr. Norseth:

ζ

Reference is made to our letter to you under date of 10/6, and to your letter under date of October 9th.

Please be advised that Hi-Low Lake, which is the subject lake of this correspondence, has been drained down to an estimated 5 acre feet, and the leak has been located. We began draining the lake Wednesday morning, October 11th, and the gate has been shut off as of noon today.

I enclose a rough sketch of the lake that shows where our trouble is located, and our tentative proposal to remedy ite We felt it advisable to submit this to you for your approval before undertaking any repairs.

Please refer to the sketch. Figure (2) shows the point where the leak originates in a crevise, and point "C" shows where it comes to the surface below the dam. The "leak" is a hole between 2 huge flat rocks that is about 6" X 18" at its opening.

To correct this situation, we propose the following tentatively: Figure (1) represents a small island that lies approximately midway between the dam at point "A" and the lake shore at point "B". All of the lake area lying south of the dotted line (points & & B) was made from excavation of fill used for the dam. The bottom of the lake in this area is approximately 4: higher than the lake bottom in front of the dam. The island is approximately 4 above the water line when the lake is full. The water in this area is only approximately 2 or 3 feet deep when the lake is full. It appears that the simplest and most efficient way of stopping this leak is to bulldoze dirt from this area south of the red line, and build a dyke from the dam to the island at point "A", then from the island to the lake shore at point "B". This will then keep the water entirely away from the leak area, as well as from that point in the dam that the water was going under. This would require only approximately 40 feet of fill, 51 high. Figure (3) incidentally is where we expected to find the leak.

Will you please evaluate this information and advise if this proceedure will be satisfactory. Also, how long do we have to make the repair and refill the lake.

Yours very truly,

HI-LOW CORPORATION

Sles By Low Sec- Mas

BAULHE I died tros @7° 18 "  August 25, 1961

Berrer P. Lysten

Mr. Valter Mackerell Beaver City, Utah

Dear Mr. Mackerell:

This will acknowledge your correspondence of August 17, 1961.

Your letter does not give sufficient details for us to clearly analyse what change is being made by Beaver City and what our position in this matter might be. It would appear from your letter that Beaver City is leasing water to other irrigators within their corporate boundaries. We do not regulate within any water system in your area but only regulate diversions from the Beaver River.

If you would care to forward us additional facts and details, we could then analyze this matter in its entirely and advise you further.

Yours very truly,

Donald C. Morseth Distribution Englished

DCM/va

CC: Mr. Cloyee Leland Strong P. O. Box 165 Beaver, Utah

Beaver City, Utah Aug 17,1961

Lar. Criddle

State Engineer

Solt Lake City, Oten

Dear Sir.

As a citizen of Besver City I am writing a protest against the changing of part of the water decreed to Beaver City.

The 16.2 become feat as decreed in award to. Il, leaver River Decree, belongs to Beaver City. In drouth conditions such as Beaver in now experiencing at the present time, Beaver City does not have sufficient mater to meet beringeds and can not allow any part of this portion to be used any other place.

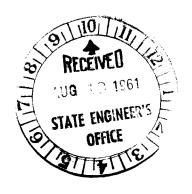
As a former water commisioner, I know conditions here in the walley and I certainly do not agree with the way the water is being handled by the City Mayor and Councilnen. Beaver City's water is distributed in 22 ditches, one of them was alloted to the Beaver City Cemetery. Now a sprinkling system has been installed. This stream is leased to farmers outside of Beaver City limits. Shouldn't this water be divided into 21 streams so that all of Beaver City could use their small mortion.

If this change of diversion is granted, Beaver City will be losing 1.38 C.F.S. which larves only 14.83 C.F.S. for Beaver. Could you do something for this situation?

Sincerely

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Waller Markense



N. Y.C.

MEMORANDUM:

DATE: July 25, 1961

TO: Earl Staker

FROM: Dee Hansen

SUBJECT: Beaver Dam Wash

Re: Beaver Damy Wash

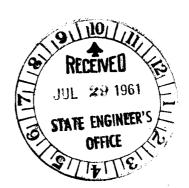
On July 25, 1961, water measurement was conducted on Beaver Dam Wash by Dee Hansen and Lee Strong. The following information was found: Gage Height of 0.23 on a 24 inch rectangular notch weir for 0.718 c.f.s.

Mr. Leavitt was instructed of the measurement and said that he would conform to the decree and leave all of the water up the canyon for use by Mr. Atkin. I was unable to contact Mr. Atkin's hired man.

I also informed Mr. Leavitt that unless the amount of water changed to some extent that we would not return. He agreed and said that if such a change should take place he would notify us.

c.c. Hubert C. Lambert
Deputy State Engineer

Donald C. Norseth Distribution Engineer



MEMORANDUM:

TO: Earl Staker

FROM: Dee Hansen

SUBJECT: Beaver Dam Wash

DATE: July 25, 1961

my for

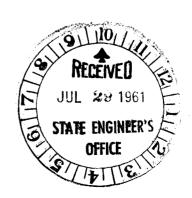
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c.c. Hubert C. Lambert
Deputy State Engineer

Donald C. Norseth
Distribution Engineer



ORVAL HAFEN

ATTORNEY AND COUNSELOR AT LAW

51 NORTH MAIN STREET ST. GEORGE, UTAH

TELEPHONE OR 3-2681

June 24, 1961

Mr. Charles M. Pickett Attorney at law St. George. Utah

Dear Mr. Pickett:

Re: Rod Leavitt and West Atkin

Bear Dass

Wash

I have just received a letter from Wes Atkin in which he states that he will not accept the agreement I sent him and that he objects to Rod using a ditch over his land. He says he prefers the 1 cfs of water alloted to him all of the time.

He was much less than appreciative of my efforts to represent him in this matter and wonders why he was not notified and given a chance to be here.

I am today writing Mr. Atkin telling him that I am sure both Rod and the State Engineer will expect him to use no more than one cfs of water, and that they will want him to install wiers as soon as possible.

In view of his displeasure with my services, there is no point in either you or Rod or the State Engineer working through me. Wes says he is as near as the telephone, and I suggest that any further negotiations or questions on this matter be taken up with him directly.

I am sending a copy of this letter to the State Engineer.

I am sorry the agreement was not acceptable to Mr. Atkin as I feel it was a good thing for him, as well as for Rod and it provided a method of working together until something better could be worked out.

Yours truly,

Owal Hafen

CC Wayne D.. Criddle

Dev Joseph

# Beaver River Distribution System

Inventory of Water Measuring Devices and Diversion Structures on the River System

Dated: March 28, 1961

Donald B. How the Distribution Engineer Distribution Engineers applied 16 and Com C. L. Strong

| Beaver |
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RIVER DISTRIBUTION SYSTEM

Inventory of Water Measuring Devices and Diversion Structures on the River System.

| ٢  | devices and Diversion Structures on the River System.                  |                           |  |                                     |                             |                                     |                               |  |  |
|----|--|---------------------------|--|-------------------------------------|-----------------------------|-------------------------------------|-------------------------------|--|--|
|    | Water User:<br>Name and Address  | Ditch or Canal            | Present Diversion<br>Structure                             | Diversion Facilities<br>Recommended | Present Measuring<br>Device | Measuring Facilities<br>Recommended | Special Remarks               |  |  |
|    | Decree #6 Laurence Powell Beaver, Utah                                 | Powell Ditch              | Steel Screw-type<br>Headgate                               | None                                | Rectangular Weir            |                                     |                               |  |  |
| r  | Decree #9  North East Bench and Canal Co. C/O C. E. Paice Beaver, Utah | North East Bench<br>Canal | Wood and Steel<br>GateNew 1961<br>Parshall Flume<br>4 Foot | None                                | ->X                         | None                                | )                             |  |  |
| ζ. | Decree #11<br>Beaver City<br>C/O Martell Easton, Mayor                 | City System               | 22 Steel Screw-<br>type Gates.<br>22 1 ft. Rec't.<br>Weirs | None                                | -> / _                      | None                                | `                             |  |  |
| 4  | Decree #13  Delvin Smith Beaver, Utah                                  | Smith Ditch               | Old Wooden Headgate<br>that cannot be<br>locked.           | Steel Screw-type<br>headgate        | none                        | 6 Inch Parshall<br>Flume            | Has received previous notice. |  |  |
|    | Decree #14  Blake Smith, Delvin Smith Beaver, Utah                     | Allred Ditch              | Steel Screw-type Gate-Old wooder rectangular weir.         | None                                | ->X                         | 6 Inch Parshall Flume.              |                               |  |  |

| Date: March 28, 1961 P | Page | of | pages. | Signed: Cloyce L. Strong | River Commissioner |
|------------------------|------|----|--------|--------------------------|--------------------|
|------------------------|------|----|--------|--------------------------|--------------------|

| Beaver                               | RIV                   | ER DISTRIB | UTION SYSTEM |
|--------------------------------------|-----------------------|------------|--------------|
| Inventory of Water Measuring Devices | and Diversion Structu | res on the | River System |

| inventory of water measuring Devices and Diversion Structures on the River System. |  |                    |   |                                     |                             |                                     |                 |
|--|--|--------------------|---|-------------------------------------|-----------------------------|-------------------------------------|-----------------|
|  | Water User:<br>Name and Address  | Ditch or Canal     | Present Diversion<br>Structure                | Diversion Facilities<br>Recommended | Present Measuring<br>Device | Measuring Facilities<br>Recommended | Special Remarks |
| 6  | Decree #15 A. J. Low; Blake Smith; Delvin Smith; R. R. Thomas, Estate Beaver, Utah | Benson Ditch       | Steel Screw-type Gate                         | Gate Needs Repairing                | weighter                    | 9 Inch Parshall<br>Flume            | )               |
| 7  | Decree #16<br>A. J. Low<br>Earl T. Smith<br>Ira Baldwin                            | Shepherd Ditch     | Steel Screw-type Gate; Wood Rec.              |                                     |                             | l Inch Parshall<br>Flume            |                 |
| ß  | Decree #18 Northwest Canal Co. C/O John Ashworth Beaver, Utah                      | Northwest Canal    | No headgate needed<br>3 ft. Parshall<br>Flume | None                                | <b>&gt;</b> //              | None                                |                 |
|  | Decree # West Field and Irrigation Co. C/O Sheldon Roberts Beaver, Utah            | West Field Canal ( | No headgate needed<br>3 ft. Parshall<br>Flume | None                                | X                           | None                                | )               |
| /0   | Decree #21<br>Lindsay Ditch<br>C/O Howard Bradshaw<br>Beaver, Utah                 | Lindsay Ditch      | No headgate needed<br>2 ft. Parshall<br>Flume | None                                | × X                         | None                                |                 |

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|       |                |        |    |        |         | •         |        |       |                |
|-------|----------------|--------|----|--------|---------|-----------|--------|-------|----------------|
| Date: | March 28, 1961 | Page 2 | of | pages. | Signed: | Cloyce L. | Strong | River | · Commissioner |

| _   |  |                        |  | ing Devices and Divers                  |                             | de River bybocm.  |                 |
|-----|--|------------------------|--|---|-----------------------------|---|-----------------|
|     | Water User:<br>Name and Address  | Ditch or Canal         | Present Diversion<br>Structure                 | Diversion Facilities<br>Recommended     | Present Measuring<br>Device | Measuring Facilities<br>Recommended   | Special Remarks |
| //  | Decrees: #23, 24, 25 Blake Smith Delvin Smith Anthony Woodhouse Beaver, Utah               | Hutchings Ditch        | No date  | Isteel fore Gerser type                 | fairlist!                   | none.   |                 |
| , 2 | Decree #26 Blake Smith Beaver, Utah  | Private Ditch          | Old Woods Gate<br>and Weir                     | Steel Screw-type Gate                   | wood.                       | 6 Inch Parshall Flume<br>This gate and flume t<br>installed, as soon as<br>possible | o be            |
| ,3  | Decrees: #27, 28, 29, 30, 31 32,33 South Field Ditch Co. C/O Albert T. Smith, Beaver, Utah | South Field Ditch      | Wood and Steel Gate<br>4 Ft. Parshall<br>Flume | None                                    | 1                           | None  |                 |
| 14  | Decree #34<br>C. E. Paice; Waldo Yardley<br>Walter Kerksiek<br>Beaver, Utah                | Christden Dam<br>Ditch | Notice   | Screw Type<br>Headgate (Serew-<br>type) | non                         | Parshall Flume  | )               |
| 15  | Decree #39<br>C/O Wallace Yardley<br>Beaver, Utah  | Patterson Ditch        | Wood and Steel Gate<br>New 4 Ft. Weir          | None                                    | <b>-</b>                    | None  |                 |

Page 3 of

pages.

Signed: Cloyce L. Strong

River Commissioner

Date: March 28, 1961

Inventory of Water Measuring Devices and Diversion Structures on the River System

|    |  | 1                                    | 1                              | ing Devices and Divers              | ton structures on t         | he River System.                               |                 |
|----|--|--------------------------------------|--------------------------------|-------------------------------------|-----------------------------|--|-----------------|
|    | Water User:<br>Name and Address  | Ditch or Canal                       | Present Diversion<br>Structure | Diversion Facilities<br>Recommended | Present Measuring<br>Device | Measuring Facilities<br>Recommended            | Special Remarks |
| 16 | Decree #47  C/O W. W. Farrer  Beaver, Utah                                       | First Ditch in Bull<br>Berry Slough  | No dette and no                | Screw-type Headgate                 | none                        | One Foot Rect.Weir<br>3 Inch Parshall<br>Flume |                 |
| 17 | Decree #48  C. E. Paise; Frank Smith; Alvin Yardley; Albert Atkins; Beaver, Utah | Second Ditch in<br>Bull Berry Slough | No Cate and No                 | Headgate type                       | noup                        | 3 Inch Parshall<br>Flume                       |                 |
| 19 | Decree #49<br>C/O W. W. Farrer<br>Beaver, Utah                                   | Third Ditch in<br>Bull Berry Slough  | No Gate and No                 | Headgate (Screw-type)               | norp                        | 3 Inch Parshall<br>Flume                       |                 |
| 19 | Decree #50 Albert T. Smith; James Riley; Frank Smith Beaver, Utah                | Fourth Ditch in<br>Bull Berry Slough | No Well and Movel              | Screw-type Headgate                 | Mon                         | 3 Inch Parshall<br>Flume                       | )               |
| 20 | Decree #59<br>C/O Wallace Ymrdley<br>Beaver, Utah                                | Blackner and<br>Huntington Ditch     | No head and weir Meir          | None                                | none                        | 18 Inch Parshall<br>Flume                      |                 |

Date: March 28, 1961

Page 4 of pages.

Signed: Cloyce L. Strong

River Commissioner

| Beaver   | RIVER    | DISTRIB | UTION SYS | STEM |
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| Inventory of Water Measuring Devices and Divergion Str | n10+1170 | +       | Dinner Ce |      |

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|----|---|---------------------|---|-------------------------------------|-----------------------------|-------------------------------------|-----------------|
|    | Water User:<br>Name and Address                                     | Ditch or Canal      | Present Diversion<br>Structure  | Diversion Facilities<br>Recommended | Present Measuring<br>Device | Measuring Facilities<br>Recommended | Special Remarks |
| 21 | Decree #60  South Creek Association C/O Bob Nowers Beaver, Utah     | South Creek Channel | Concessor   | nove                                | 2 consitowers               | 4 Foot Parshall<br>Flume            |                 |
| 22 | Decree #92<br>G. A. Horton<br>Paul Larson<br>Beaver, Utah           | Emerson Ditch       | Wooden Gate and No-   | Non <del>ë</del>                    |                             | None                                |                 |
| 23 | Decree #95 Ralph Stewart Adamsville, Utah; Ray Kessler Beaver, Utah | Hay Ditch           | Wood Headgate   | Screw-type<br>Readgate              | none                        | 9 Inch Parshall<br>Flume            |                 |
| 24 | Decree #32  Waldo Yardley Beaver, Utah  L1  Page                    |                     | No Headgase: This<br>Water is delivered<br>through Southfield G<br>and returned to rive<br>then taken out again | : /                                 | nesie                       | 18 Inch Parshall<br>Flume           | <b>X</b> )      |
|    | Decree #101 Earl Limb Minersville, Utah                             | Limb Ditch          | No headgate;  | Screw-type steel<br>gate            | noy                         | 3 Inch Parshall<br>Flume            |                 |

Date: March 28, 1961 Page 5 of pages. Signed: Cloyce L. Strong River Commissioner

| Beaver   | RIVER    | DISTRIBU   | rion s | YSTEM |
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| Inventory of Water Measuring Devices and Diversion Str | *10+1120 | . on the 1 | D-:    | C+    |

| •           | inventory of water Measuring Devices and Diversion Structures on the River System.        |                  |                                |                                     |                             |                                     |                 |  |
|-------------|---|------------------|--------------------------------|-------------------------------------|-----------------------------|-------------------------------------|-----------------|--|
|             | Water User:<br>Name and Address   | Ditch or Canal   | Present Diversion<br>Structure | Diversion Facilities<br>Recommended | Present Measuring<br>Device | Measuring Facilities<br>Recommended | Special Remarks |  |
|             | Decree #31  | Indian Dam Ditch | None                           | Screw-type Headgate                 | non                         | l Inch Parshall<br>Flume            |                 |  |
|             | Earnest Joseph, Beaver, Utah; Earl T. Smith,  |                  |                                |                                     |                             |                                     | )               |  |
| <del></del> | Beaver, Utah; Blake Smith, Beaver, Utah; Ora Hofheins, Beaver, Utah; Robert Christiansen, |                  |                                |                                     |                             |                                     |                 |  |
|             | Beaver, Utah;<br>Mark Woolsey,<br>Beaver, Utah;   |                  |                                | -                                   |                             |                                     |                 |  |
|             | Decree #33  Waldo Yardley, Beaver, Utah; Vera Bakes, Beaver, Utah;                        | Brunson Ditch    | No more Move                   | Screw-type headgate                 | none                        | 3 Inch Parshall Flume               | )               |  |
| <b>4</b>    | Albert Atkin, Beaver, Utah; S. Albert Smith, Beaver, Utah; Neil K. Boyter, Beaver, Utah;  |                  |                                |                                     |                             |                                     |                 |  |

| Date:_ | March 28, 1961 | Page 6 | of pages. | Signed: Cloyce L. | Strong Rive | er Commissioner |
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#### RIVER DISTRIBUTION SYSTEM

Inventory of Water Measuring Devices and Diversion Structures on the River System.

| Devices and Diversion Defice Cares on the River System. |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| lities Special Remarks                                  |  |  |  |  |  |  |  |  |  |
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Date: March 28, 1961

Page 7 of pages.

Signed: Cloyce L. Strong

River Commissioner

Name 1, 1961

Messrs. Cline, Wilson & Cline Mitorneys at Lew Milford, Stah

Gentlement

A hearing concerning the water rights of G. A. Forther and D. J. Villiams was held at Beaver, Utah on April 20, 1961, the waters being from a certain drain referred to in the Heaver River Decree 'ward No. 108.

Re. Sizer Riez

Following the bearing this office has made a detailed survey of the area which survey disclosed that neither of the claimants is at present using the water in the manner described in the Beaver River Decree. As a result it will probably be necessary that change applications be filed to correct the award in the Beaver River Decree to fit the facts.

It was hoped that this survey would have been conclusive enough to have settled the question involved in the hearing. However, since it was not conclusive the State Engineer will render a temporary decision prior to further determination of the rights involved. It is felt that since the award in the Beaver River Decree was made to G, in Fordhen that the State Engineer will have to hold that the water in the drain must be delivered unmolested to the G. A. Fordhen interests.

This interpretation is subject to the request of either side for further revision and the presenting of more evidence accommon the water rights involved on at least 10 days notice.

Yours very truly,

MI/le

Habert C. Lembert DEFUTY STATE ENGINEER

CC/ Mr. John O. Christianson Attorney at Law Beaver, Utah

> Farl Staker Lee Strong Don Norseth

May 31, 1961

Mr. Cloyce Leland Strong, Commissioner, Beaver River Distribution System Box 165 Beaver, Utah

Beare Find Link Tystem

Dear Mr. Strong:

Several days ago, Mr. Harold Chase of the Surface Water Branch of the U. S. Geological Survey inquired about making rather specific arrangments for the reading of the gage on Rocky Ford Reservoir. The U.S.G.S. has requested that the reservoir gage be read on the last day of each month, regardless of the day of the week. During the months of heavy inflow into the reservoir and heavy discharge from the reservoir, they would like to have an additional reading made about the middle of the month.

In order to make the best use of the facilities and records available through the U.S.G.S., it is requested that you take a reading of the Rocky Ford Reservoir gage on the last day of each month, and that during the months of April, May, June, and July, you make at least one additional reading about the middle of the month.

Yery truly yours,

Donald C. Morseth, Distribution Engineer

DCN:ek

May 15, 19611

Mr. Cloyce Leland Strong, Commissioner P. O. Box 165 Beaver, Utah

Dear Lee:

In preparing the orders for the measuring devices on the Beaver River, I find that we still do not have enough information.

I am therefore, delaying further action, until we can get together again.

Will see you soon.

Very truly yours,

Donald C. Morseth, Distribution Engineer

DCHiek



# THE STATE OF UTAH

#### OFFICE OF STATE ENGINEER

SALT LAKE CITY

April 17, 1961

WAYNE D. CRIDDLE STATE ENGINEER

Mr. Stan Oakden 365 East 2nd North Beaver, Utah

Benock River File

Dear Mr. Oakdent

To clarify the distribution on Birch Creek which is a tributary of South Creek, a tributary of the Beaver River, the following directives to the water users are made:

IT IS ORDERED that three measuring devices be installed, one at the intake of the lateral feeding the Oakden Reservoir on the flat above the South Creek channel, the second at the point of diversion of the ditch from Birch Creek, and a third as close to the point of confluence between the old Birch Creek channel and South Creek as possible. All three of these measuring devices are to be installed under the direction of the water commissioner for the Beaver River. The first one mentioned to be installed at the cost of Mr. Oakden, the second to be installed at the joint cost of all users and the third to be installed at the cost of the lower users.

It was determined after a field examination that distribution should be made through a new lateral ditch constructed by the water users. The court had formerly ordered the water commissioner to determine whether the Oakden lateral or the old channel of Birch Greek was the more efficient for use in water distribution. Water conditions have been such that the determination since this order, as to this conveyance, has been impossible to make. It is thought that this order should be in force until water of sufficient quantity is available to prove or disprove the feasibility of using the old Birc h Creek channel or the lateral. This decision is of an interlocutory nature and subject to change if facts are presented to justify that change. For better distribution of the water IT IS ORDERED that the flow determined for each of the rights involved be computed by adding the flows of each point of the above points where measuring devices have been installed and distributing on a basis of a two-thirds-one-third interest of the total to the respective parties. When the flow has decreased to 0.35 of a second-foot this procedure is no longer necessary and all water will be delivered to Mr. Oakden.

Sincerely,

Hubert C. Lambert

ACTING STATE ENGINEER

HCL/le

cc/ Mr. Bob Newers Mr. Lee Strong

Line Sy

# SNOW SURVEYS and WATER SUPPLY FORECASTS BEAVER RIVER WATERSHEDS

#### UTAH

as of

### U.S. DEPARTMENT of AGRICULTURE SOIL CONSERVATION SERVICE and STATE ENGINEER of UTAH

#### GENERAL OUTLOOK

Above average snowfall during March improved the water outlook for this summer. Streamflow forecasts have been raised 10% to 15% above what was expected a month ago. Although streamflow is expected to be below average, if climatic conditions (principally precipitation and temperature) are near normal during the spring and summer months, the river should produce a third more than last year and twice to three times as much as in 1959.

#### SNOW COVER

Increase in the snowpack this month was about 130% to 160% of the usual amount for March.

#### STATE OUTLOOK

Percent of Average Streamflow

- 80 to 100% East Fork Sevier river, Escalante river and other streams draining from Aquarius Plateau, Parowan Creek, Salina Creek for diversion in Salina area, streams near Tooele.
- 70 to 80% Cottonwood Creeks near Salt Lake, Beaver river near Beaver, Clear Creek near Sevier, northern tributaries of the Fremont, Ashley Creek and Whiterocks river in the Uintah Basin, Streams near Farmington, Smith's Fork of Bear river.
- 60 to 70% Logan and Cub rivers in Cache Valley; upper Weber; in the Uintah Basin the Lakefork, Yellowstone and Uinta rivers; in the central section the Cottonwood, Ferron and Muddy Creeks, San Pitch tributaries south of Ephraim; in the south, Coal Creek near Cedar City and the Virgin river.
- 40 to 60% Bear river above Evanston, Bear Lake Inflow, Blacksmith Fork, Little Bear rivers in Cache Valley, Ogden, lower Weber, Provo, Duchesne, Strawberry, Price, Spanish Fork and American Fork rivers, Utah Lake inflow, streams from Mt. Nebo and near Mt. Pleasant, Sevier river inflow from Kingston to Gunnison, Chalk Creek near Fillmore, Huntington Creek, Parley's Creek near Salt Lake, streams near Moab-Monticello-Blanding.
- 25 to 40% Bear near Woodruff, Chalk Creek at Coalville, East Canyon Creek near Morgan, Hobbie Creek near Springville.

# STREAMFLOW FORECASTS (1,000 Ac. Ft.)

| FORECAST POINT   | FORECAST<br>THIS YEAR FORECAST PERIOD |  | 1943-57<br>AVERAGE  | THIS YEAR<br>AS PERCENT<br>OF AVERAGE |  |
|--|---------------------------------------|--|---------------------|---------------------------------------|--|
| Beaver River near Beaver<br>Rockyford Reservoir Inflow a | 18<br>23<br>4.5                       | April-June<br>April-Sept<br>April-June | 22.3<br>29.4<br>9.1 | 81<br>78<br>49                        |  |

# RESERVOIR STORAGE (1,000 Ac. Ft.)

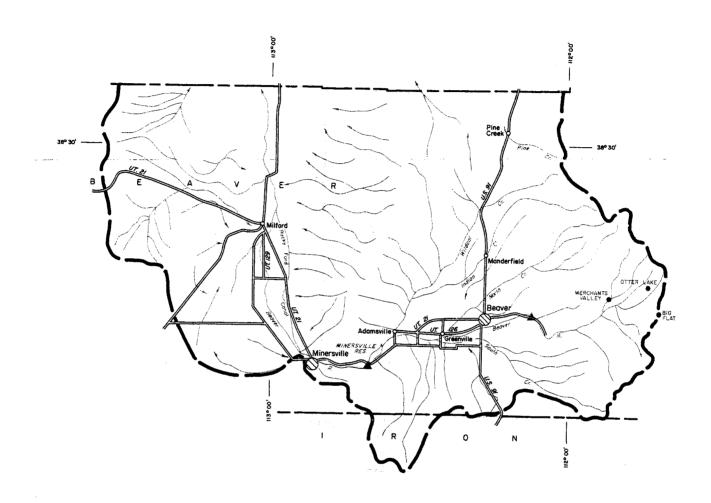
| RESERVOIR  | USABLE   | MEASURED (First of Month) |           |                 |  |
|------------|----------|---------------------------|-----------|-----------------|--|
|            | CAPACITY | THIS YEAR                 | LAST YEAR | 1943-57 AVERAGE |  |
| Rocky Ford | 23.3     | 8.0                       | 8.6       | 17.0            |  |
|            |          |                           |           |                 |  |

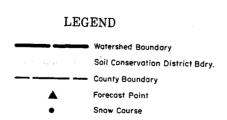
| low                                       |                       |                      | CURRENT INFORMATION |                     |                        | PAST RECORD          |                |  |
|---|-----------------------|----------------------|---------------------|---------------------|------------------------|----------------------|----------------|--|
| SNOW COURSE                               |                       | DATE OF              |                     | WATER               | WATER CONTENT (inches) |                      | YEARS          |  |
| NAME                                      | ELEVATION             | SURVEY               | (Inches)            | CONTENT<br>(Inches) | LAST YEAR              | 1943-57<br>Average   | OF<br>RECOR    |  |
| Big Flat<br>Otter Lake<br>Merchant Valley | 10000<br>9300<br>8200 | 3/26<br>3/26<br>3/26 | 68<br>50<br>29      | 15.8<br>9.9<br>7.4  | 16.8<br>11.1<br>7.4    | 20.0<br>16.6<br>11.1 | 25<br>25<br>30 |  |
|   |                       |                      |                     |                     |                        | jus                  |                |  |
|   |                       |                      |                     |                     |                        | ·                    |                |  |

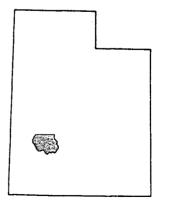
<sup>(</sup>a) Observed flow at Rockyford Dam, plus change in storage in Rockyford reservoir. (b) Average for period of record. (c) Average for 15-yr. period partly estimated. (d) Data measured daily, figured from date of last Merchant Valley snow survey.

# BEAVER RIVER WATERSHEDS









WATERSHED LOCATION

Beaver, Utah March 29, 1961

Donald C. Norseth Distribution Engineer Office of State Engineer State Capitol Salt Lake City, Utah

Refer: Award #27, Beaver River Decree

Dear Mr. Norseth:

As president of the south Field Bitch Company, I have been instructed by the Board of Directors to request the State Engineers Office to order Mr. Arnold J. Low, of Beaver, Utah, to install a screw type headgate and measuring device so the Water Commissioner can deliver to Mr. Low his decreed amount of water. Mr. Low is the owner of award #27 as described in the Beaver River Decree. His water is diverted into our ditch and conveyed to his field and there re-diverted. We feel that an order from your office to Mr. Low will be more effective, as past requests to Mr. Low have been ignored.

Thank you.

very truly yours

Albert T. Smith, Pres. South Field Ditch Co.

hotel / Smith

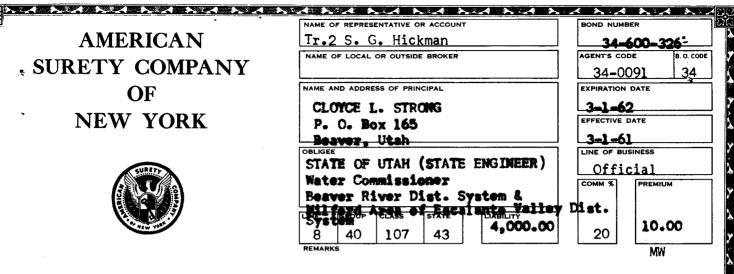
cc: Earl Staker
Area Engineer
Cedar City, Utah

Lee strong water commissioner Beaver, Utah

# **AMERICAN** . SURETY COMPANY OF **NEW YORK**



FORM A-250C



THE BOND ISSUED BY AMERICAN SURETY COMPANY OF NEW YORK AND DESCRIBED ABOVE IS HEREBY CONTINUED IN FORCE FOR THE ADDITIONAL PERIOD SHOWN, SUBJECT TO ALL THE COVENANTS AND CONDITIONS THEREOF. IT IS EXPRESSLY STIP-ULATED THAT THE LIABILITY OF THE SURETY SHALL NOT BE CUMULATIVE AND THAT IN NO EVENT SHALL THE AGGREGATE LIABILITY OF THE SURETY FOR ANY ONE OR MORE DEFAULTS OF THE PRINCIPAL DURING ANY ONE OR MORE YEARS OF THE SUR-ETYSHIP UNDER THE BOND HEREINABOVE REFERRED TO, AS EXTENDED BY THIS OR ANY OTHER EXTENSION THEREOF, EXCEED THE AMOUNT SPECIFICALLY SET FORTH IN SAID BOND OR ANY EXISTING CERTIFICATE CHANGING THE AMOUNT OF SAID BOND.

| DATE    | March 7, 1961        |                              | ha Line                 | (L.S.) Principal.   |
|---------|----------------------|------------------------------|-------------------------|---------------------|
|         |                      | ·<br>•                       | American Surety Company | of New York, Surety |
| ATTEST: |                      |                              | I                       | <i>3y</i>           |
|         | M. Wilkerson         | RESIDENT ASSISTANT SECRETARY |                         | M. Smercee )        |
| At      | Salt Lake City, Utah |                              |                         | President.          |

**AGENT'S COPY** 

# **AMERICAN** SURETY COMPANY OF NEW YORK



CERTIFICATE CONTINUING BOND NUMBER 34-600-326

3\_27-61 19

CONTINUED TO ON BEHALF OF CLOYCE L. STRONG 3-1-62 P. O. Box 165 3-1-61 Beaver. Utah STATE OF UTAH (STATE ENGINEER) Water Commissioner Beaver River Dist. System & Milford Area of Escalante Valley Distanount of PREMIUM System of the BOND \$4,000.00 \$10.00

THE BOND ISSUED BY AMERICAN SURETY COMPANY OF NEW YORK AND DESCRIBED ABOVE IS HEREBY CONTINUED IN FORCE FOR THE ADDITIONAL PERIOD SHOWN, SUBJECT TO ALL THE COVENANTS AND CONDITIONS THEREOF, IT IS EXPRESSLY STIP-ULATED THAT THE LIABILITY OF THE SURETY SHALL NOT BE CUMULATIVE AND THAT IN NO EVENT SHALL THE AGGREGATE LIABILITY OF THE SURETY FOR ANY ONE OR MORE DEFAULTS OF THE PRINCIPAL DURING ANY ONE OR MORE YEARS OF THE SUR-ETYSHIP UNDER THE BOND HEREINABOVE REFERRED TO, AS EXTENDED BY THIS OR ANY OTHER EXTENSION THEREOF, EXCEED THE AMOUNT SPECIFICALLY SET FORTH IN SAID BOND OR ANY EXISTING CERTIFICATE CHANGING THE AMOUNT OF SAID BOND.

March 7, 1961 DATE (L.S.) Principal.

American Surety Company of New York, Surety

Wilkerson

Salt Lake City, Utah

President.

ATTEST:

# STATE OF UTAN

OFFICE O

TATE ENGLESSE

under Section 73-5-1, Utah Code Annotated, 1953, I hereby appoint - - - - - - -This is to Certify that by virtue of authority vested in me as State Engineer

- - CLOYCE LELAND STRONG - - - of - - Beaver, Utah - - - to the position of

WATER COMMISSIONER

to distribute the waters of the

- - BEAVER RIVER DISTRIBUTION - - - system, beginning March 1, 1961 and ending

---- March 1, 1962.

IN WITHESS WHEREOF, I have hereunto set my hand and affixed my official seal

this - - - Twenty-seventh - - - - day of April, A. D. 1960.

Hubert C. Lambert, Deputy State Engineer

2

Mr. Cloyce Leland Strong Water Commissioner Beaver River Distribution Beaver, Utah

Dear Sire

RE: BEAVER RIVER DISTRIBUTION

Transmitted to you, herewith, is your Certificate of Appointment as Water Commissioner for the irrigation season of 1960.

Yours very truly

Hubert C. Lambert DEPUTY STATE ENGINEER

DCN/vg

Enc: Certificate

## BEAVER CITY BRANCH

OF MILFORD STATE BANK 97-146

S. G. HICKMAN, MANAGER

BEAVER, UTAH

March 23, 1961

Mr. T. Vinton Smith Engineering Dept. State of Utah, Salt LakeCity, Utah

Dear Mr. Smith:

Enclosed is renewal certificate on Mr. Cloyce L. Strong, Bond No. 34-600-326, daged March 1, 1961 for a one year period.

Certificate has been pro-erly signed by Mr. Strong.

Yours very truly,

Agent



Deaver, Utuh Darch 14, 1761

State Engineer's Office c/o Donald C. Horseth talk Lity, Utah

year hr. Morseth:

You requested that I send the names of the water users who are involved in jutting in weirs in the Blueberry Corral Slough. These are the names of the users involved:

desley W. Farrer Jeddy Atkin estate Alvin Yardley C. Edwin Paice James Miley Albert W. Smith J. Frank Smith Willian Yardley
Wallace J. Yardley
Roy Yardley
S. Albert Smith
Arthur Blackmer
Glen Wlackmer
Walter Blackmer

we would appreciate some action on this as soon as possible.

Lessectfully yours,

Wallace D. Yardley



Beaver, Utch February 7, 1961

The State Engineer

Dear Sir:

File: Demar Liver Diet Septemen We, the Later Users Contintee and the Mater Commis-

sioner ash that you have the water of the Blueberry Corral Slough distributed according to the decree; that weirs and head-gates and dividers be installed by the users of this water; and that this water be apportioned and distributed by the Beaver River Muter Commissioner under your jourisdiction so that luture trouble may be avoided, and that each member may get his rightful skere; that the installetions be done under the direction of the Mater Commissioner, and that the water users get them installed before the water season berins.

for the last two years we have not been able to divide the water adequately because we have not had any facilities.

The Jater Users Committee.

Lee Strong

Mallan yardly

Standy M/e/1129h

Churches Bapton

John HW hiles

Mr. Cloyce Leland Strong P. O. Box 165 Beaver, Utah

Dear Lee:

Re: Beaver River Distribution System

Enclosed, a thermo-fax copy of two leters, which I believe you are familiar with. Will you please include these in your inventory of headgates and measuring devices needed and point out the award in the Beaver River Decree of each, that we might make an assessment if they are not on the assessment rolls.

Will await further action on this matter, until I hear from you.

Very truly yours,

Donald C. Norseth, Distribution Engineer

DCN:ek

Enclosures



# UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Branch of Surface Water 463 Federal Building Salt Lake City 1, Utab

Peterunary 20, 1961

Mr. Wallace D. Tartley, Chalenes Beaver Misser Weber Weere Beaver, Whit

Dear Mr. Markleys

New letter of February 15 addressed to Vilous Helenkie and his reply of February 17 here been referred to this office.

Mr. Mellerkie has properly estimate one of the difficulties in determining less in the lower Telertic promptest against. Another place of this problem which should also be considered in the fact that less in the pipulies my not affect other rights to water from the leaver River. In other works, if lesings from the contact potures directly to the story channel, this would not affect ineignation rights but only the amount of water to be used for the development of more.

The differ of the West State Ingineer is responsible for the distribution of unter, the determination of unter rights, and evaluation so to the proper use of unter unfer emisting rights. Since this is not a function of the Polanti government, but of the State administration, it is suggested that this problem to discussed with the Office of the Utsh State Ingineer.

Your tirely young,

M. T. Vilcon Dictrict Inglacar

es: With State Highway Vilou NoCoukie, St. George, Vish

